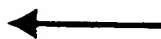


FIGURE 1

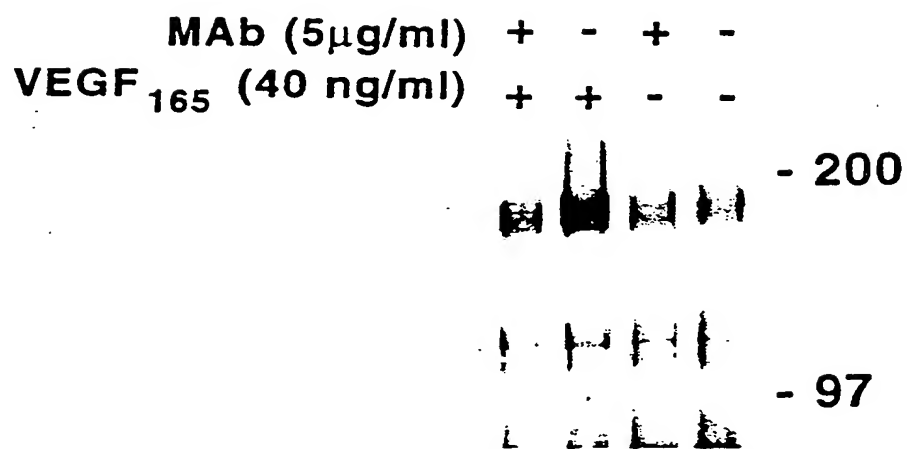
Western Blot of Flk-1/SEAPS Immunoprecipitation with MAb
DC101

Flk-1
AP



Western Blot of Flk-1/SEAPS Immunoprecipitation with MAb DC101

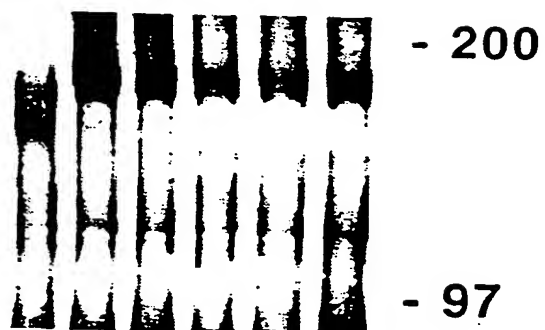
FIGURE 2A



Probe: Anti-Ptyr

FIGURE 2B

MAb ($\mu\text{g/ml}$)	-	-	.5	1	2.5	5
VEGF (40 ng/ml)	-	+	+	+	+	+



Probe: Anti-Ptyr

FIGURE 3A

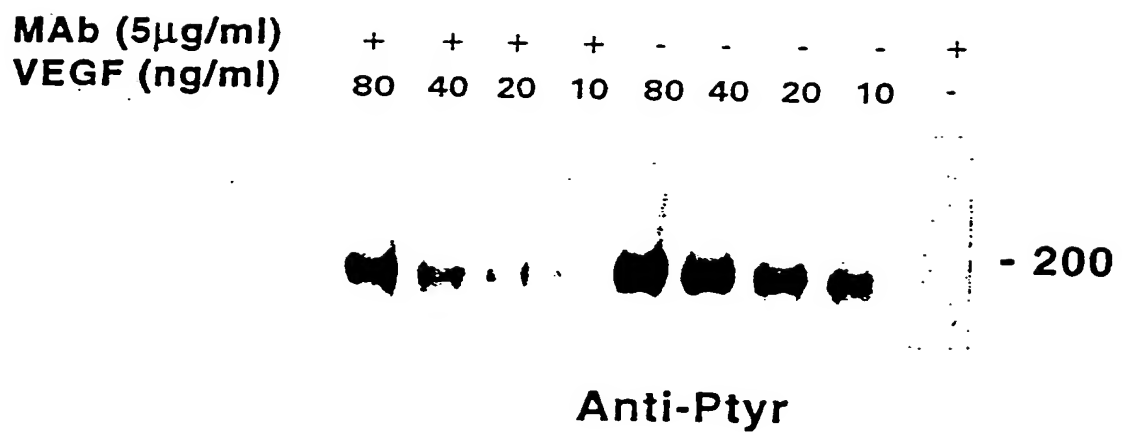


FIGURE 4

Inhibition of VEGF-Flk-1/fms activation by pre-bound MAb DC101

Assay conditions:

MAb (5μg/ml):	-	+	-	-	$\sqrt{\text{P}}$ +	$\sqrt{\text{C}}$ +
VEGF (ng/ml):	-	-	20	40	40	40



Probe: Anti-Ptyr

Assay conditions: P: MAb pre-bound 15'; VEGF 15'
C: Competitive assay; MAb + VEGF 15'

FIGURE 5

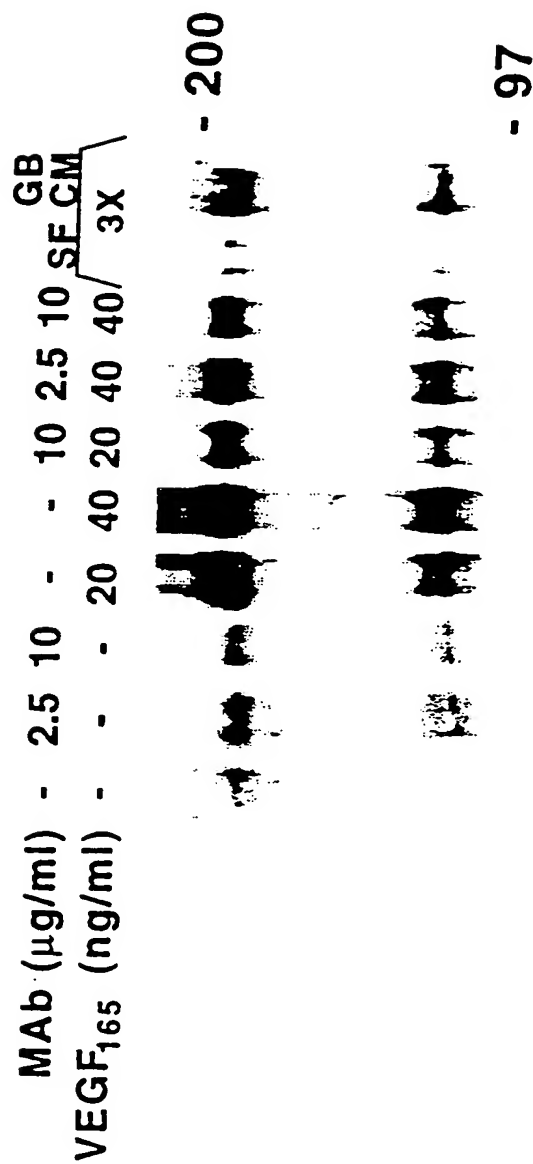


FIGURE 6 FACS ANALYSIS OF Anti-flk-1 MAb BINDING TO flk-1/fms
TRANSFECTED 3T3 CELLS (C441)

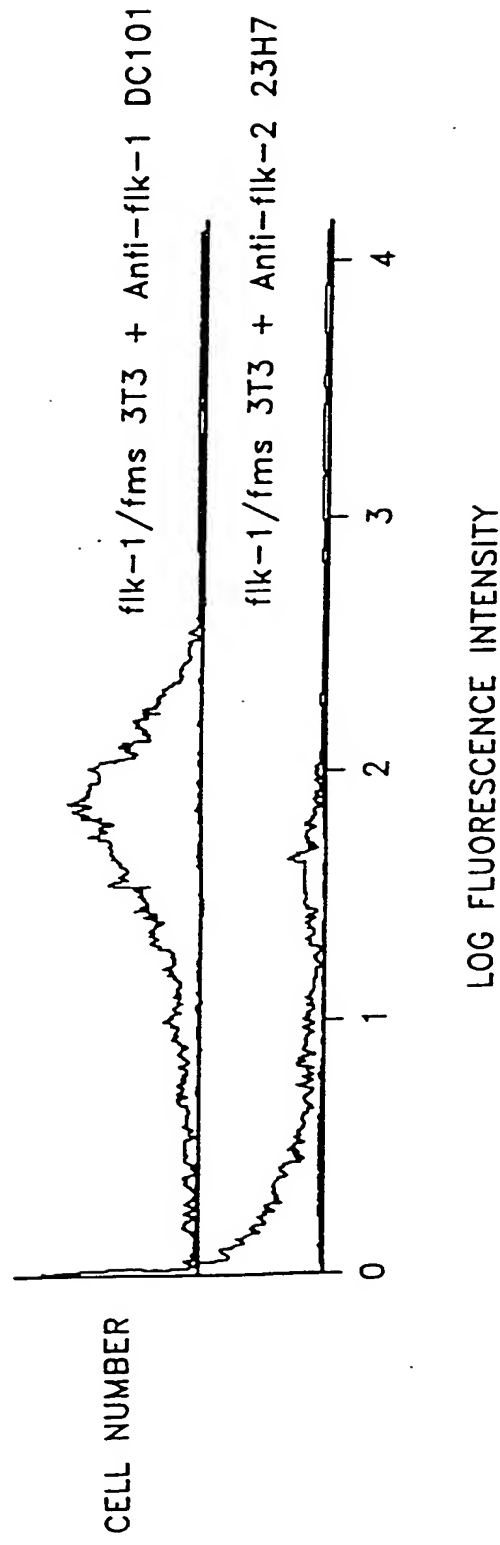


FIGURE 7 SATURATION BINDING OF MAb DC101 TO THE
 flk-1/fms RECEPTOR ON THE TRANSFECTED 3T3 CELL LINE C441

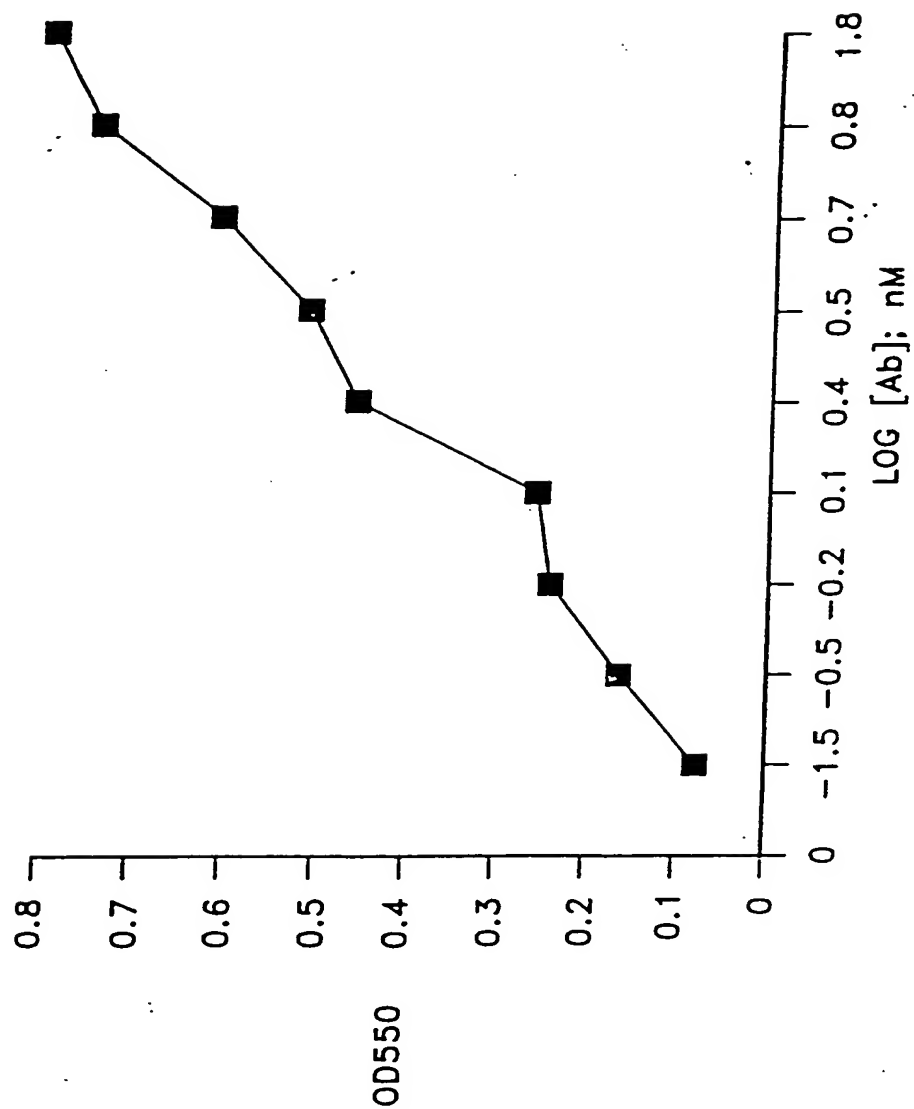


FIGURE 8

Immunoprecipitation of phosphorylated Flk-1/fms from
VEGF stimulated Flk-1/fms transfected 3T3 cells

Antibody: 1 2 3 4

 - 200

Anti-pTyr

Antibodies: 1) Rat anti-flk-2 IgG_{2a} 2A13
2) Rat anti-flk-1 IgG₁ DC101
3) Rat anti-flk-2 IgG₁ 23H7
4) Rabbit anti-fms polyclonal IM 133

FIGURE 9

Sensitivity of VEGF induced phosphorylation of the Flk-1/fms receptor to inhibition by MAb DC101

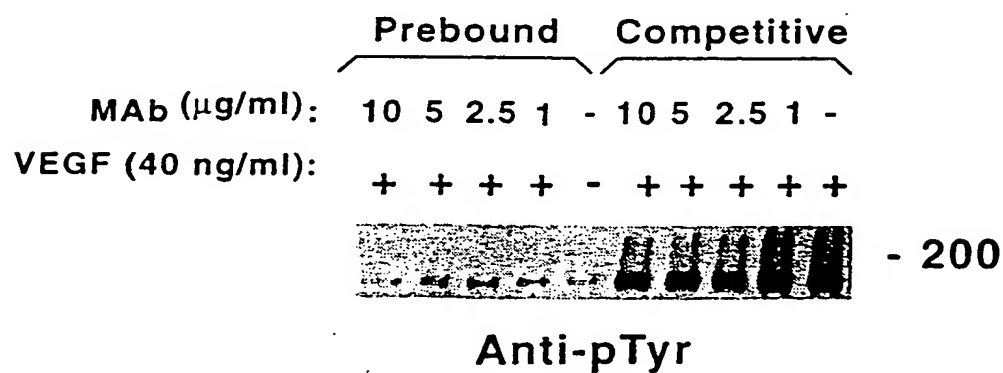
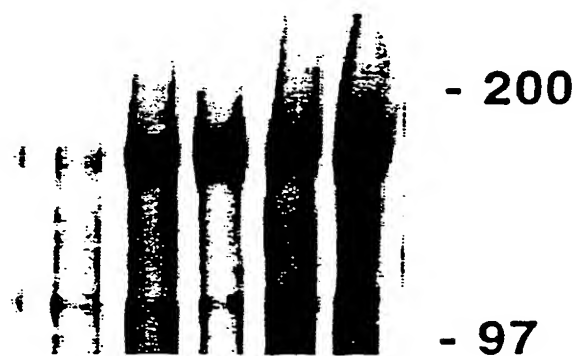


FIGURE 10

Effect of MAb DC101 on CSF-1 induced phosphorylation of the *fms* receptor

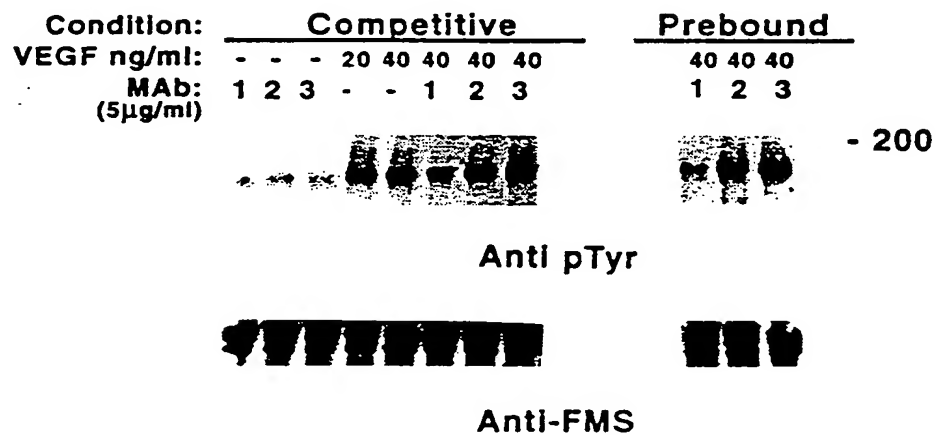
MAb (5 μ g/ml)	-	+	-	-	+	+
CSF-1 (ng/ml)	-	-	20	40	20	40



Probe: Anti-Ptyr

FIGURE 11

Specificity of MAb DC101 neutralization of the activated Flk-1/fms receptor



Rat MAbs: 1) Anti-flk-1 IgG₁ DC101
 2) Anti-flk-2 IgG₁ 23H7
 3) Anti-flk-2 IgG_{2a} 2A13

FIGURE 12

Immunoprecipitation of phosphorylated receptor bands from
VEGF stimulated HUVEC cells

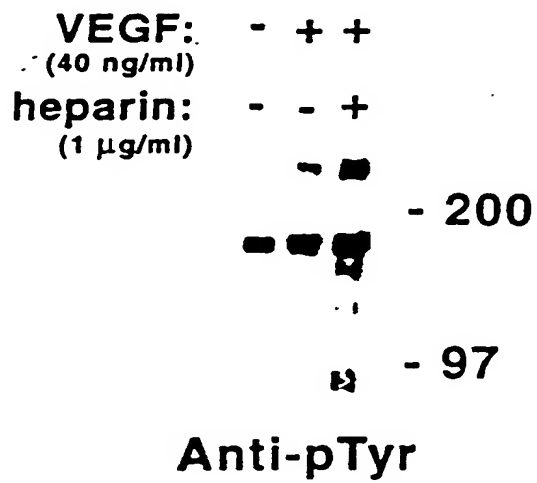





FIGURE 13

 CONTROL
  10% FBS+EC SUPPLEMENT
  VEGF

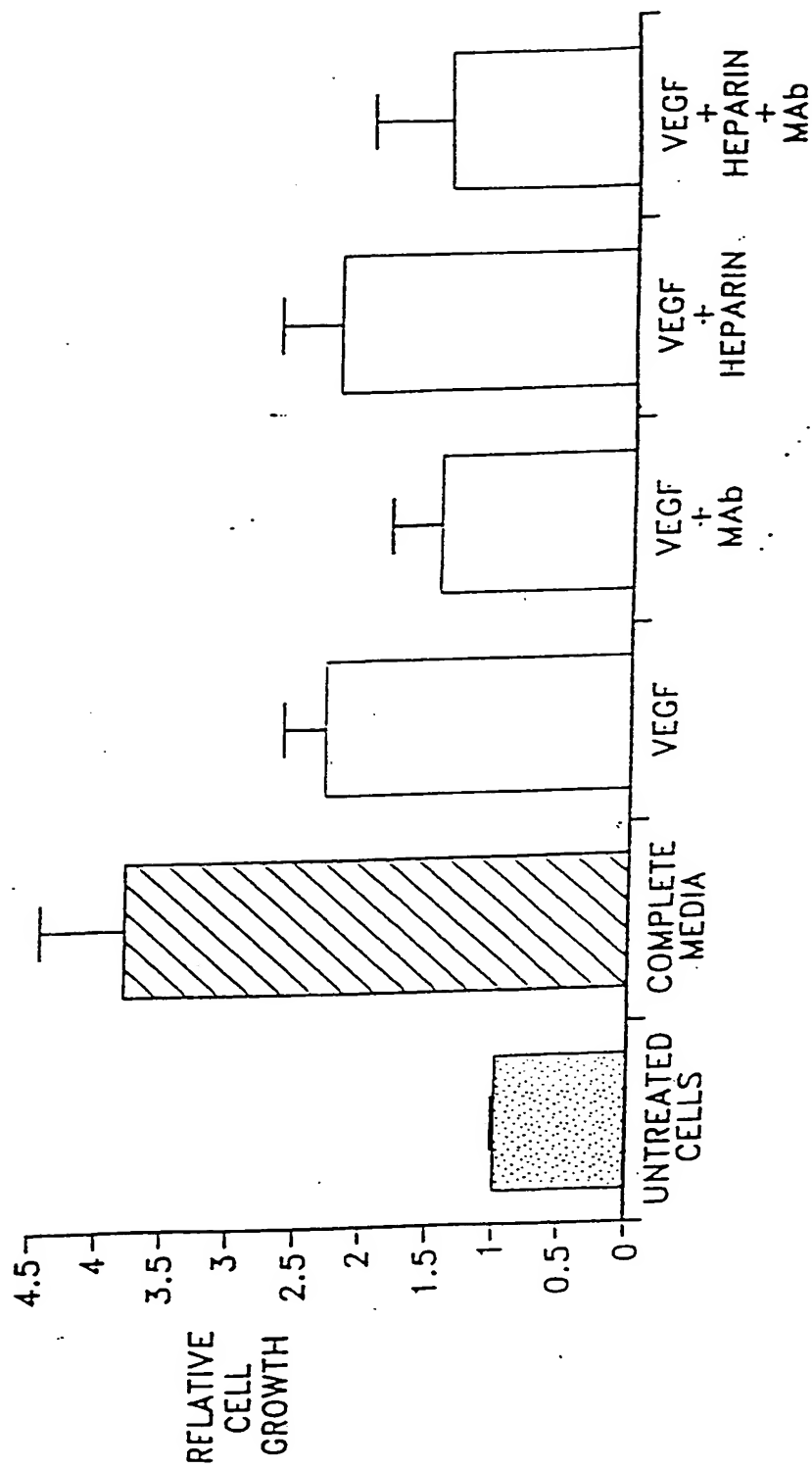
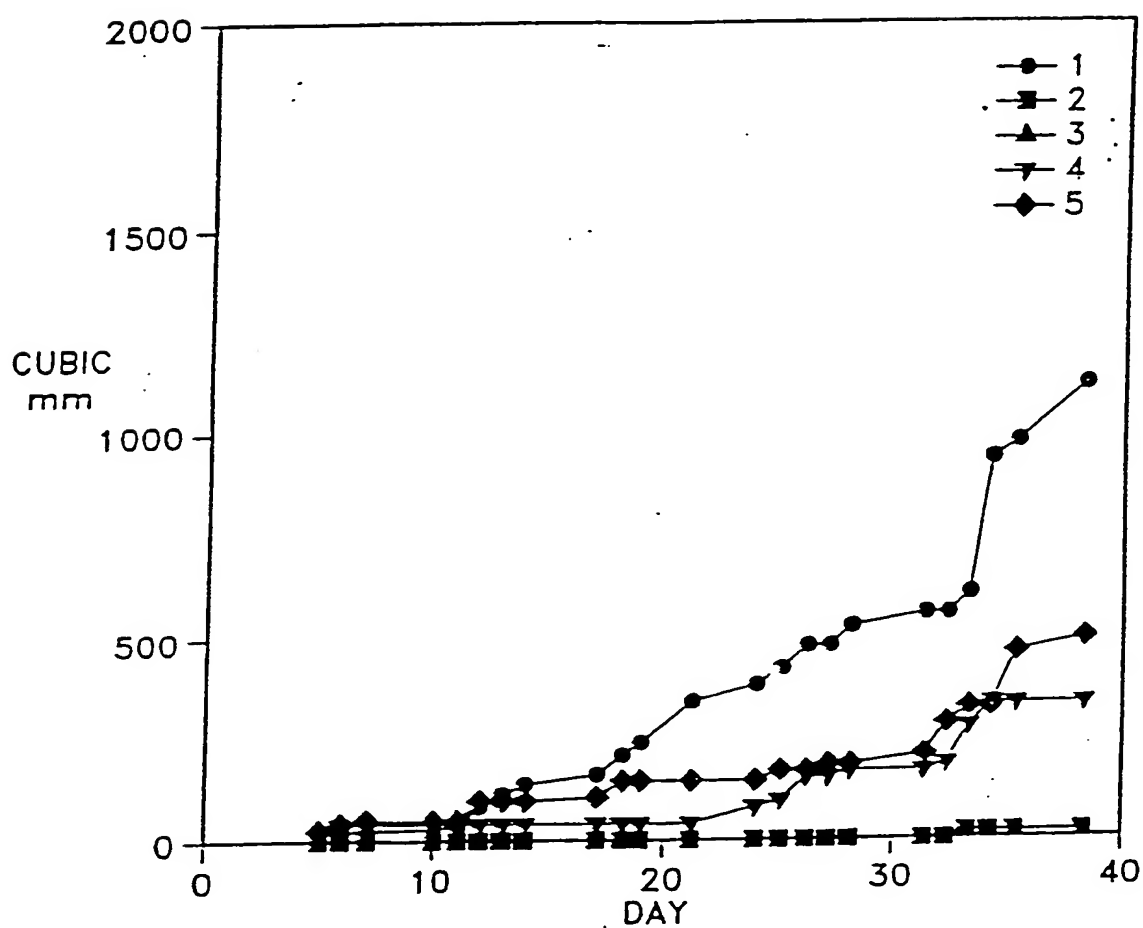


FIGURE 14A

TREATMENT OF GLIOBLASTOMA
XENOGRAFTS WITH RAT anti-flk-1 MAb



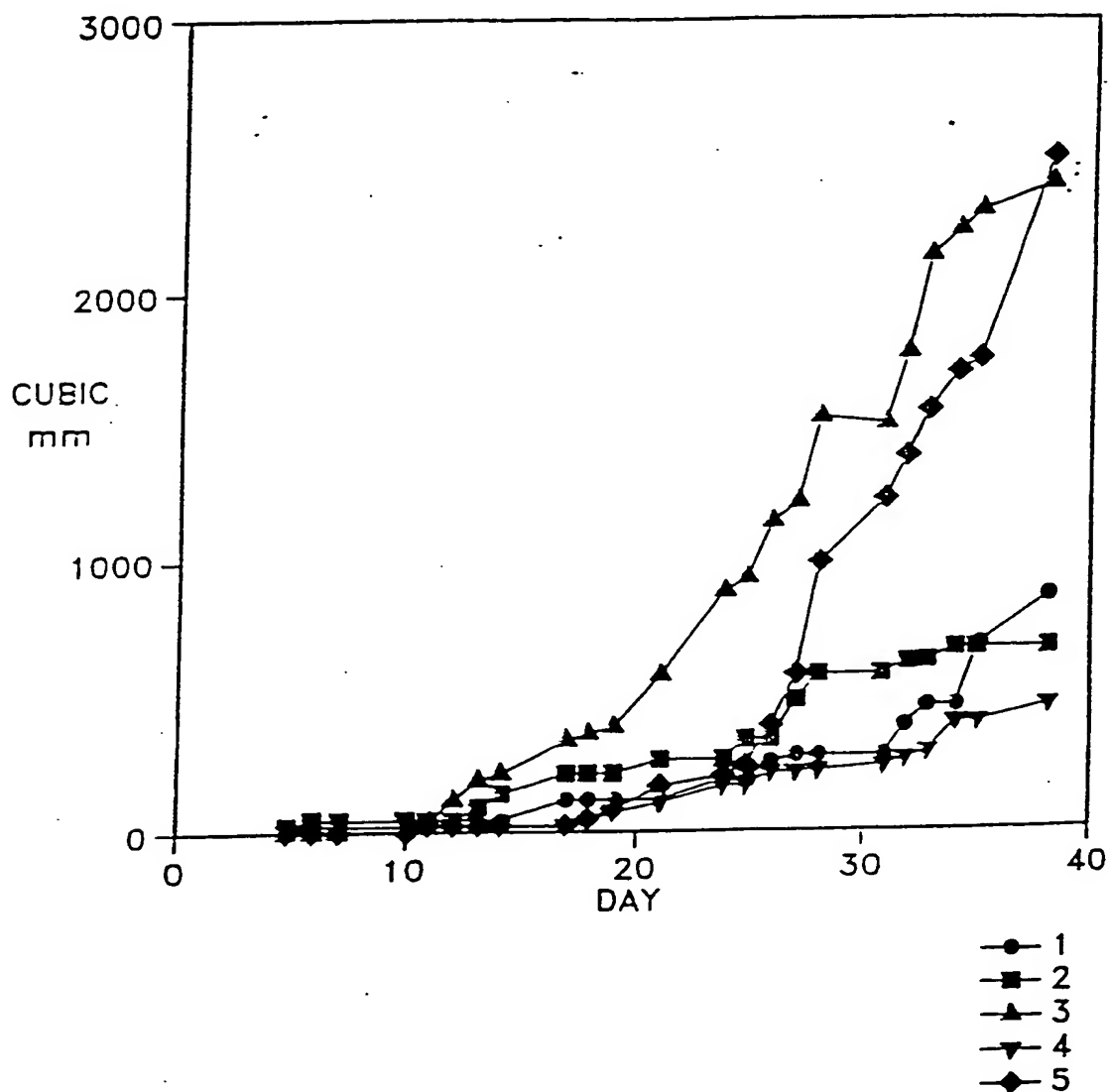
STATISTICAL ANALYSIS

flk-1 SLOPE = 16.09

p VALUE FOR flk-1 VERSUS flk-2 TUMOR SIZE = 0.0001

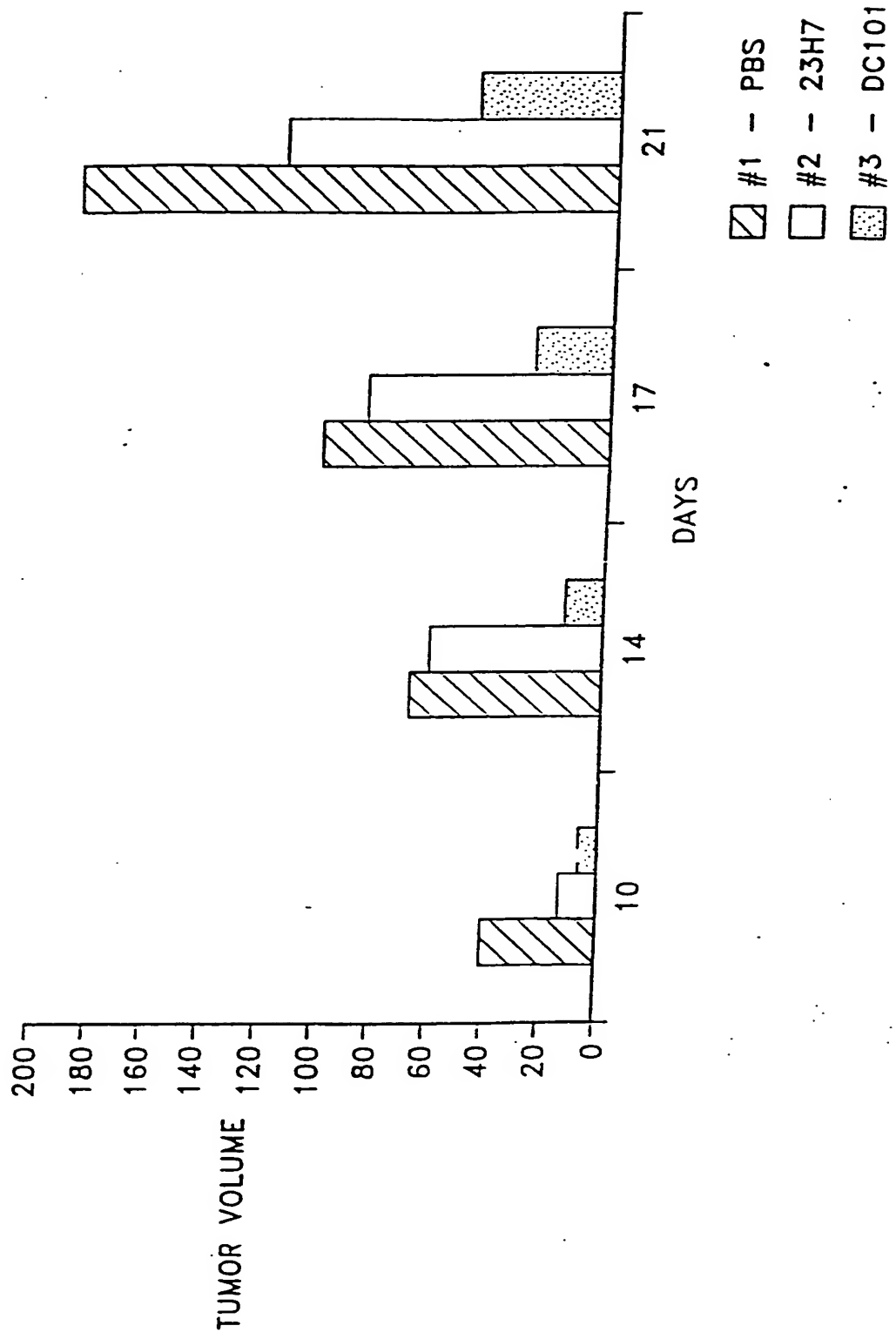
FIGURE 14B

TREATMENT OF GLIOBLASTOMA
XENOGRAFTS WITH RAT anti-flk-2 Mab



STATISTICAL ANALYSIS
 flk-2 SLOPE = 37.39
 P VALUE FOR flk-1 VERSUS flk-2 TUMOR SIZE = 0.0001

FIGURE 15



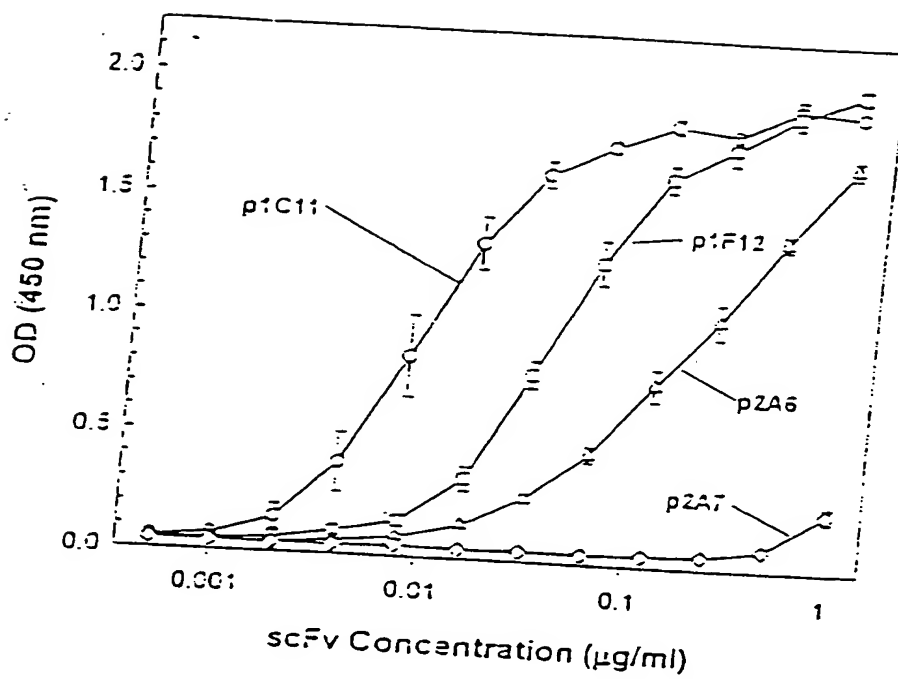


FIGURE 16

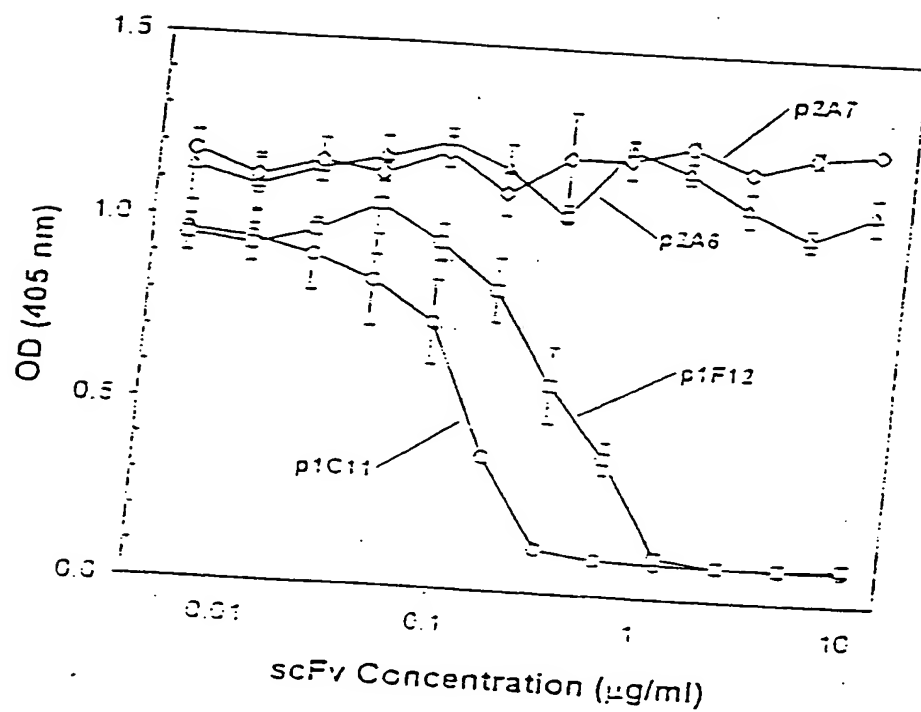


FIGURE 17

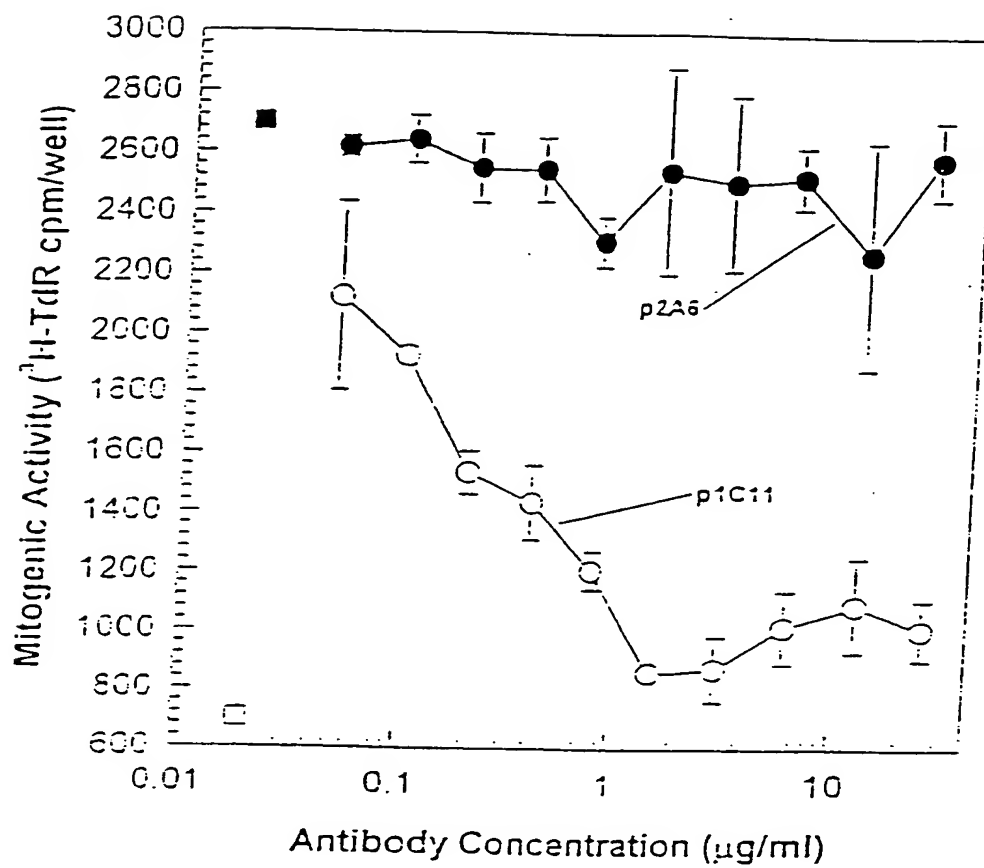


FIGURE 18

Hand III

GAACTTGGGATGGTCAATGATCATTCTTTCTAGTAGCACTGGCACTGGAGTACAT
M G W S C I I L E L V A T A T G V H
→ leader

TCAAGGTCAGGTCGAGCGCTCTGGGGCAGAGCTTGTGGGGTCAGGGGCTCAGTCAA
S Q V X L Q Q S G A E L V G S G A S V K
→ V₂

TTGTCTGCACCACTTCTGCTTCACTTAAAGCTTCTATATCACTGGGTGAAGCAG
L S C T T S G E N E K D E Y M E W V K Q
CDR-H1

AGGCTTACAGGGGCTGGATGGATTGGATGGATTGGATGGATGGATGGATGGAT
R P E Q G L E N I G N E D P E N G D S D
CDR-H2

TATGCCCCAGTTCCAGGGCAGGCTCCCTGCTGCACTCTCTCTACACAGGC
Y A P K F C G X A T M T A D S S S N T A

TACCTGCACTGCGGCTTCACTCTGCACTGCTGGCTCTACTACTGTAAGCAGC
Y L Q L S S L T E E D T A V Y Y C N A Y

TATGCTGCTACGAGGCTTCTGGGGCAGGCTGCTGGCTGCTGGCTGCTGGCTG
Y S Q V E G Y N G Q G T T V C V S S
CDR-H3

3a-H1

CGGATCC

Hand III

AAGCTTGGGATGGTCAATGATCATTCTTTCTAGTAGCACTGGCACTGGAGTACAT
M G W S C I I L E L V A T A T G V H
→ leader

TCAAGGTCAGGTCGAGCGCTCTGGGGCAGAGCTTGTGGGGTCAGGGGCTCAGTCAA
S L I E L T C E P A I M S A E P G E X V
→ V₂

ACCTTACCTGCACTGCTGAGCTCACTGTAATTAATGCACTGCTTCCAGCAGAGC
T I T C S A E E S V S Y M E W F G Q X P
CDR-H1

GGAATTTCTGCACTCTGCTTCACTGCACTGCTGCTGCTGCTGCTGCTGCTGCT
G T S P K L N I Y S T S N L A S G V P A
CDR-H2

CGCTTCACTGGCACTGCACTGCTGCACTCTTACTCTCTCACTCAGCTGATGAGGCT
R P E G S G S G T S Y S L T I S R M E A

GAGATGCTGCACTTATTACTGCACTGAGGAGTATTACCTTCACTTCCGCTG
E D A A T Y Y C G Q R S E Y P F T F G S
CDR-H3

3a-H1

GGGACCAAGTGGAAATTAATCTGAGTGGATCC
G T K L E I K

FIGURE 19

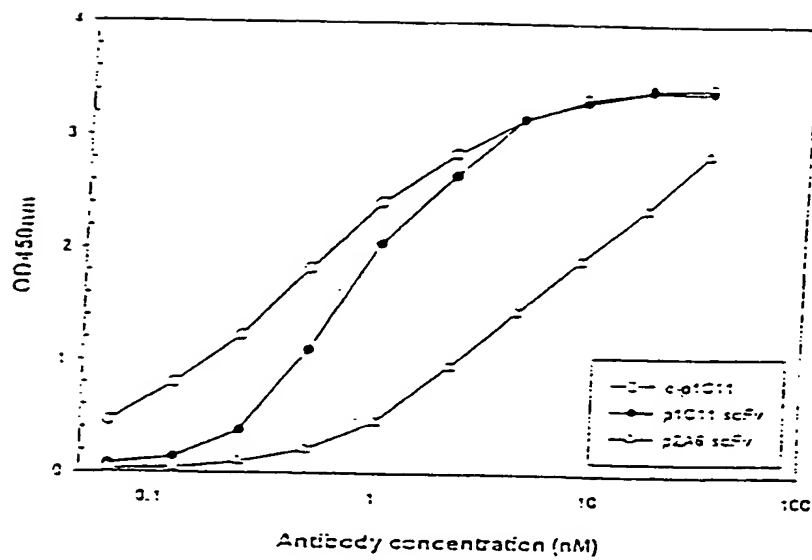


FIGURE 20

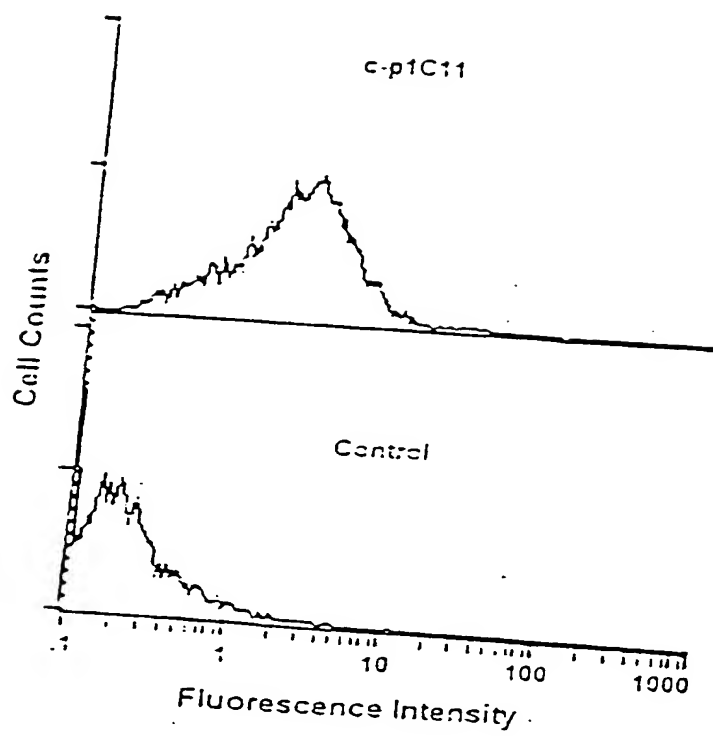


FIGURE 21

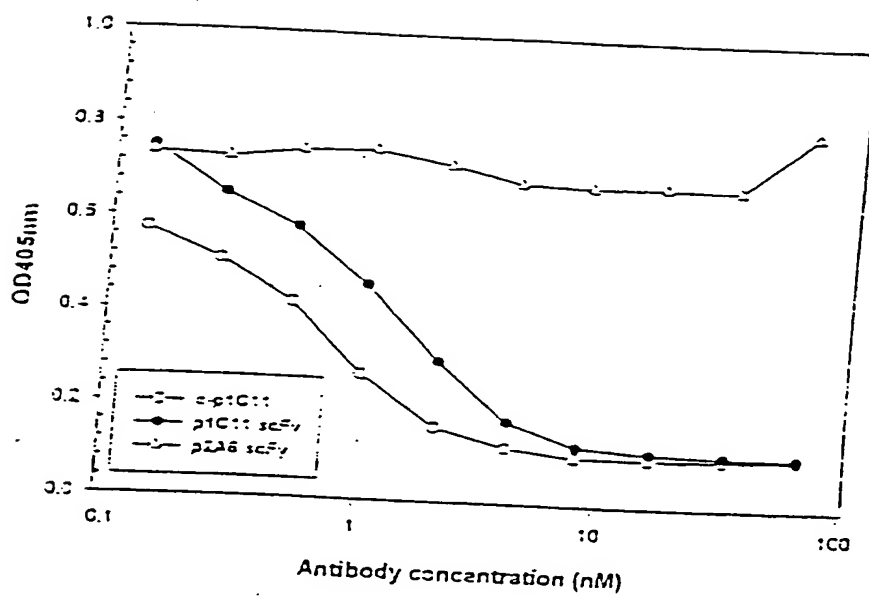


FIGURE 22

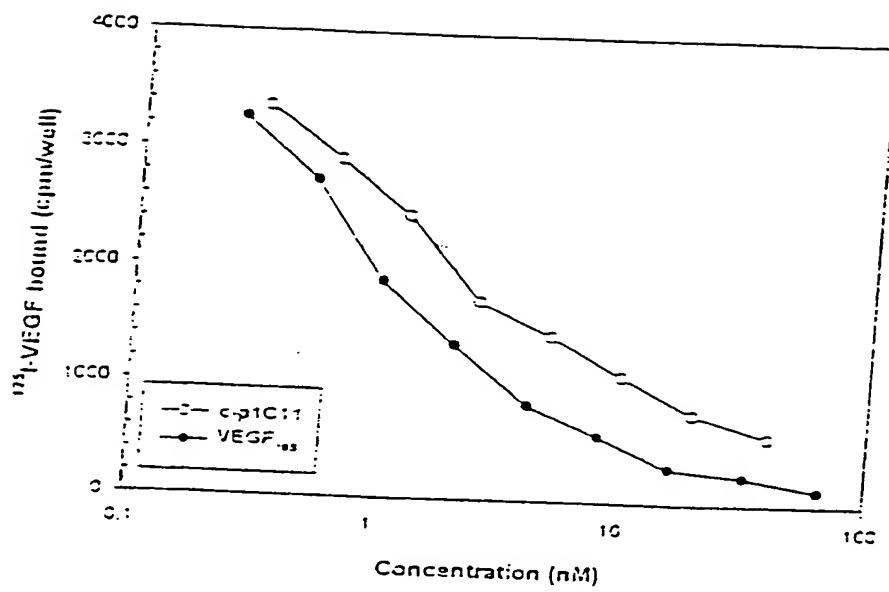


FIGURE 23

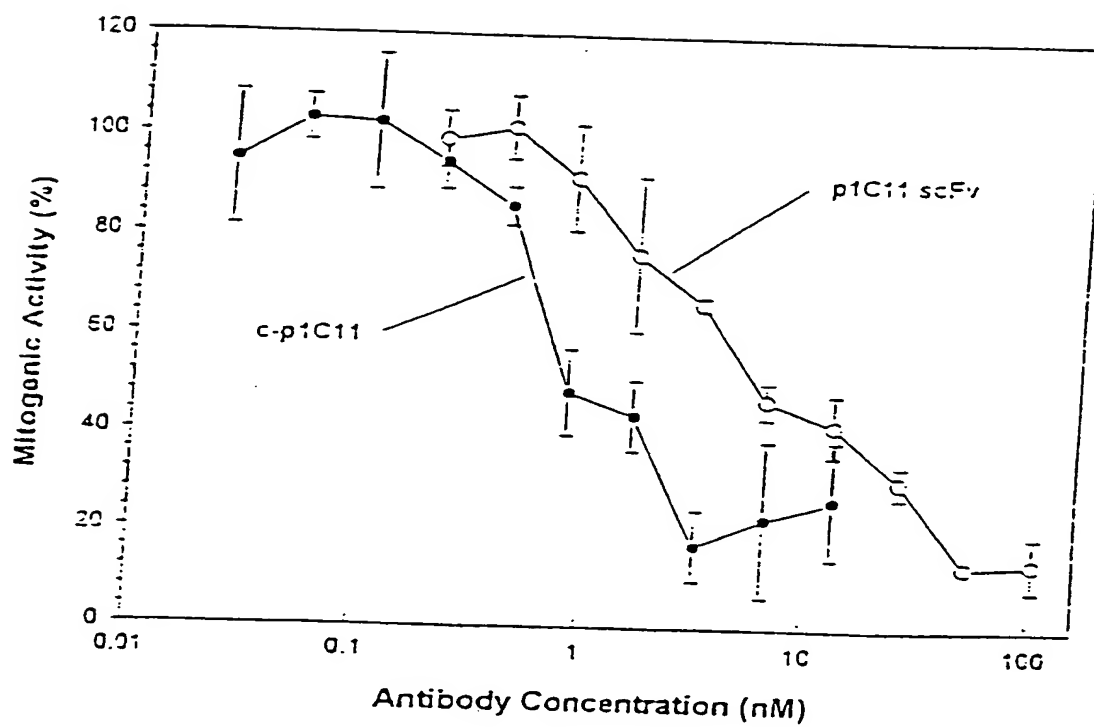


FIGURE 24